| Ref<br># | Hits  | Search Query   | DBs  | Default<br>Operator | Plurals | Time Stamp       |
|----------|-------|--|--|---------------------|---------|------------------|
| L1       | 3     | "3004104".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/04/15 14:56 |
| S1       | 62564 | (mobile or cell) adj phone   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/04/14 14:19 |
| S2       | 2879  | S1 and @ad<"19960425"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON ·    | 2005/04/14 08:13 |
| S3       | 1132  | S2 and digital   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/04/14 08:13 |
| S4       | 191   | S3 and (("analog to digital" or "a/d" or "a-d" or "analog-to-digital") with converter) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/04/14 08:18 |
| S5       | 9     | S4 and ((signal or transmission) with (encode or encrypt or encipher))                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/04/14 09:33 |
| S6       | 97306 | (mobile or cell or cellular) adj<br>phone  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/04/14 09:32 |
| S7       | 4901  | S6 and @ad<"19960425"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/04/14 08:18 |

| 58  | 1960 | S7 and digital   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 08:18 |
|-----|------|--|--|----|----|------------------|
| S9  | 352  | S8 and (("analog to digital" or "a/d" or "a-d" or "analog-to-digital") with converter) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:05 |
| S10 | 36   | S9 and ((signal or transmission) with (encode or encrypt or encipher))                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 08:19 |
| S11 | 36   | S10 or S5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 08:27 |
| S12 | 753  | (steganograph\$2) and (encod\$3 or encrypt\$3 or encipher\$3)                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 08:27 |
| 513 | 32   | S12 and @ad<"19960425"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 09:44 |
| S14 | 18   | S13 and (digital with signal)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 08:28 |
| S15 | 19   | S13 and (digital with (signal or transmission))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 08:28 |

| S16 | 15     | S15 and (communicate or communication or telephone or phone)                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 08:33 |
|-----|--------|---|--|----|----|------------------|
| S17 | 14     | S16 and (authenticate or authentication)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 08:33 |
| S18 | 189465 | (mobile or cell or cellular) adj<br>(phone or telephone)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 09:33 |
| S19 | 13594  | S18 and @ad<"19960425"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 09:33 |
| S20 | 5160   | S19 and digital   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 09:33 |
| S21 | 863    | S20 and (("analog to digital" or "a/d" or "a-d" or "analog-to-digital") with converter) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 09:33 |
| S22 | 134    | S21 and ((signal or transmission) with (encode or encrypt or encipher))                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 09:39 |
| S23 | 89     | S22 and (encod\$3 or encipher\$3 or encrypt\$3) with (transmission)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 09:39 |

| S24 | 2   | S13 and (voice)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 09:42 |
|-----|-----|---|--|----|----|------------------|
| S25 | 20  | S13 and (voice or audio)                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 09:43 |
| S26 | 753 | (steganograph\$2) and (encod\$3 or encrypt\$3 or encipher\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 12:40 |
| S27 | 1   | S26 and @ad<"19931118"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 13:13 |
| S28 | 2   | "4908873".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 13:15 |
| S29 | 11  | ("4963998" or "5079648" or<br>"2196167").pn.                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 13:18 |
| S30 | 11  | ("4425642" or "4425661" or<br>"5404377" or "5473631").pn.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 13:21 |
| S31 |     | "5161210".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 13:21 |

| S32 | 9 | ("6064373" or "5822436" or<br>"5832119" or "5841978" or<br>"5768426").pn.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 14:21 |
|-----|---|---|--|----|----|------------------|
| S33 | 5 | S32 and (cell or mobile or cellular)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 14:26 |
| S34 | 2 | S32 and ((cell or mobile or cellular) with (phone or telephone or telephony)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 14:48 |
| S35 |   | "6278781".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 14:35 |
| S36 | 2 | "6252963".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 14:45 |
| S37 | 2 | "6111954".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 14:45 |
| S38 | 1 | S37 and (cell or mobile or cellular)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 14:46 |
| S39 | 0 | S37 and ((cell or mobile or cellular) with (phone or telephone or telephony)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 14:46 |

| S40 | 2 | "6700990".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 14:47 |
|-----|---|---|--|----|----|------------------|
| S41 | 1 | S40 and ((cell or mobile or cellular) with (phone or telephone or telephony)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 14:51 |
| S42 | 2 | "5850481".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 14:51 |
| S43 | 1 | S42 and ((cell or mobile or cellular) with (phone or telephone or telephony)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 14:55 |
| S44 | 2 | "20020048387".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 14:55 |
| S45 | 2 | "5768426".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 14:55 |
| S46 | 0 | S45 and ((cell or mobile or cellular) with (phone or telephone or telephony)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 15:08 |
| S47 | 0 | S45 and ((phone or telephone or telephony))                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/14 15:00 |

| 548 | 2     | "5850481".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2005/04/14 15:00 |
|-----|-------|---|--|----|------|------------------|
| S49 | 2     | S48 and ((phone or telephone or telephony))                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2005/04/15 08:34 |
| S50 | 1     | S48 and ((cell or mobile or cellular) with (phone or telephone or telephony))     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2005/04/14 15:03 |
| S51 | 11566 | (steganograph\$6 or "water mark" or "watermark" or "water marks" or "watermarks") | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2005/04/14 15:06 |
| S52 | 888   | S51 and @ad<"19931118"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2005/04/14 15:13 |
| S53 | 38    | S52 and (telephone or telephony or phone)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2005/04/14 15:08 |
| S54 | 2     | S53 and ((cell or mobile or cellular) with (phone or telephone or telephony))     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2005/04/14 15:14 |
| S55 | 1125  | S51 and @ad<"19950508"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON . | 2005/04/14 15:13 |

| S56 | 5 | S55 and ((cell or mobile or cellular)                  | US-PGPUB;  | OR | ON | 2005/04/14 15:14 |
|-----|---|--|--|----|----|------------------|
|     |   | with (phone or telephone or telephony))                | USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB              |    |    |                  |
| S57 | 2 | "5841978".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 08:34 |
| S58 | 0 | S57 and (cell adj phone)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 08:34 |
| S59 | 1 | S57 and (phone)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 08:35 |
| S60 | 2 | "5832119".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 08:35 |
| S61 | 0 | S60 and ((cell or mobile) adj<br>(telephone or phone)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 08:52 |
| S62 | 0 | S57 and ((cell or mobile) adj<br>(telephone or phone)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 08:37 |
| S63 | 3 | "5822436".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 08:38 |

| S64 | 0      | S63 and ((cell or mobile) adj<br>(telephone or phone))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 08:38 |
|-----|--------|---|--|----|----|------------------|
| S65 | 2      | "6064737".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 08:38 |
| S66 | 0      | S65 and ((cell or mobile) adj<br>(telephone or phone))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 08:38 |
| S67 | 0      | S60 and ((cell or mobile) with (telephone or phone))    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 08:40 |
| S68 | 164440 | (cell or mobile) with (phone or telephone or telephony) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:20 |
| S69 | 2      | "6064737".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 08:58 |
| S70 | 3      | "5822436".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 09:01 |
| S71 | 2      | "5832119".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 09:05 |

| S72 | 25572 | (camera or "image capture") with (phone or telephone or telephone)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 09:06 |
|-----|-------|--|--|----|----|------------------|
| S73 | 1424  | S72 and @ad<"19941116"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 09:06 |
| S74 | 70    | S73 and ((cell or mobile) with (phone or telephone or telephone or telephony))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 09:15 |
| S75 | 128   | S73 and ((cell or mobile or cellular) with (phone or telephone or telephony))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 09:43 |
| S76 | 2     | "5379345".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 09:28 |
| S77 | 0     | S75 and (watermark or steganograph\$6)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 09:43 |
| S78 | 0     | S75 and (watermark or<br>steganograph\$6 or ((hidden or<br>encod\$3 or encipher\$3) with<br>(identif\$\$7 with mark)))             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 09:45 |
| S79 | 0     | S75 and (watermark or<br>steganograph\$6 or ((hidden or<br>encod\$3 or encipher\$3) with<br>(identif\$\$7 with (mark or signal)))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 09:45 |

| S80 | 901            | 455/231,258,270,272,278.ccls.                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 10:20 |
|-----|----------------|--|--|----|----|------------------|
| S81 |                | S80 and (watermark or steganograph\$7)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 10:20 |
| S82 | 39             | S80 and (watermark or<br>steganograph\$7 or embed\$3 or<br>hid\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 10:24 |
| S83 | 218            | 380/247.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 10:24 |
| S84 | <del>4</del> 6 | S83 and (watermark or<br>steganograph\$7 or embed\$3 or<br>hid\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 10:30 |
| S85 | 3              | S84 and @ad<"19940317"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 10:29 |
| S86 | 81             | 379/100.13.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 10:29 |
| S87 | 9              | S86 and (watermark or steganograph\$7 or embed\$3 or hid\$3)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 10:57 |

| S88 | 936   | 455/403.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/04/15 10:32 |
|-----|-------|--|--|------|----|------------------|
| S89 | 111   | S88 and (watermark or<br>steganograph\$7 or embed\$3 or<br>hid\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/04/15 10:35 |
| S90 | 74480 | ("data capture" or "data input" or<br>"imaging" or photograph\$2) and<br>(watermark or steganograph\$7 or<br>embed\$3 or hid\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/04/15 10:36 |
| S91 | 34661 | S90 and (communicat\$3 or telecommunicat3 or phone or telephone)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR . | ON | 2005/04/15 10:38 |
| S92 | 3707  | S91 and @ad<"19940317"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/04/15 10:37 |
| S93 | 198   | S92 and ((communicat\$3 or telecommunicat3 or phone or telephone) with (watermark or steganograph\$7 or embed\$3 or hid\$3))     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/04/15 10:41 |
| S94 | 71    | S93 and ((transmi\$5 or signal or packet) with (watermark or steganograph\$7 or embed\$3 or hid\$3))                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/04/15 10:51 |
| S95 | 59217 | (watermark or steganograph\$7 or ((embed\$3 or hid\$3) with (data or information)))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/04/15 11:09 |

| S96      | 5031 | S95 and @ad<"19931118"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 11:09 |
|----------|------|--|--|----|----|------------------|
| S97      | 1014 | S96 and (phone or telephone or wireless or telecommunication or telephony) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:32 |
| S98      | 57   | S97 and (authenticate or authentication)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 11:09 |
| S99      | 9258 | (watermark or steganograph\$7)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 11:09 |
| S10<br>0 | 443  | S99 and @ad<"19931118"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 11:28 |
| S10<br>1 | 32   | S100 and (authenticate or authentication)                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 11:24 |
| S10<br>2 | 32   | S100 and (authenticate or authentication or "usage control")               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 11:12 |
| S10<br>3 | 32   | S100 and (authenticate or authentication or (verify with identity))        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 11:21 |

| S10<br>4 | 99591 | (image or picture) with (scanner or capture) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 11:27 |
|----------|-------|--|--|----|----|------------------|
| S10<br>5 | 1557  | S104 and (watermark or steganograph\$7)      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 11:28 |
| S10<br>6 | 346   | S105 and (control with (use or usage))       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 11:36 |
| S10<br>7 | 1     | S106 and @ad<"19931118"                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 11:28 |
| S10<br>8 | 1     | S106 and @ad<"19940317"                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 11:40 |
| S10<br>9 | 38134 | (hid\$3 or embed\$4) with (code or signal)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 11:42 |
| S11<br>0 | 5060  | S109 and @ad<"19931118"                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 11:42 |
| S11<br>1 | 63    | S110 and (authenticate or authentication)    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 11:42 |

| S11<br>2 | 39210 | (hid\$3 or embed\$4 or steganograph\$7 or watermark) with | US-PGPUB;<br>USPAT;<br>USOCR;                                | OR | ON | 2005/04/15 11:47 |
|----------|-------|---|--|----|----|------------------|
|          |       | (code or signal)  | EPO;<br>DERWENT;<br>IBM_TDB                                  |    |    |                  |
| S11<br>3 | 5108  | S112 and @ad<"19931118"                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 11:42 |
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| S11<br>6 | 10    | S115 and @ad<"19931118"                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 11:50 |
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| S11<br>9 | 80551 | "455"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 11:55 |

| S12<br>0 | 46    | S119 and (watermark or steganograph\$6)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 11:59 |
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| S12<br>1 | 29966 | digital with ((cell or mobile) adj<br>(phone or telephone))                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 11:59 |
| S12<br>2 | 312   | S121 and @ad<"19931118"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:15 |
| S12<br>3 | 10    | S122 and (authenticate or authentication)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:24 |
| S12<br>4 | 1     | S123 and (("analog to digital" or "a/d" or "a-d" or "analog-to-digital") with converter) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:05 |
| S12<br>5 | 2     | S122 and (signal with origin)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:09 |
| S12<br>6 | 89    | S122 and (encod\$3 or encipher\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:18 |
| S12<br>7 | 6     | S126 and (authenticat\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:15 |

| S12<br>8 | 1      | S122 and ((encod\$3 or encipher\$3) with (authenticat\$3))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:19 |
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| S12<br>9 | 164440 | (cell or mobile) with (phone or telephone or telephony)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:20 |
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| S13<br>1 | 30     | S130 and ((signal or transmission) with (origin))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:21 |
| S13<br>2 | 10     | S122 and (authenticate or authentication or (verify with identity))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:28 |
| S13<br>3 | 20     | ("5465387" or "5454027" or<br>"5420910" or "5448760" or<br>"5335278" or "5345595" or<br>"5144649" or "5204902" or<br>"5153919" or "5388212").pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:32 |
| S13<br>4 | 3      | S133 and (origin or originating)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:30 |
| S13<br>5 | 219638 | (identify or monitor) with (signal)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:32 |

| S13<br>6 | 16484  | S135 and ((cell or cellular or<br>mobile) with (phone or telephone<br>or wireless or telecommunication or<br>telephony)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:39 |
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| S13<br>7 | 1253   | S136 and (origin or originating or source) with (identify)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:33 |
| S13<br>8 | 569    | S136 and (fraud or fradulent)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:34 |
| S13<br>9 | 193    | S136 and ((detect\$3 or determin\$3) with (fraud or fradulent))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:54 |
| S14<br>0 | 9      | S139 and @ad<"19931118"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:36 |
| S14<br>1 | 247248 | ((cell or cellular or mobile) with (phone or telephone or wireless or telecommunication or telephony))                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:39 |
| S14<br>2 | 10339  | S141 and @ad<"19931118"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:39 |
| S14<br>3 | 57     | S142 and (identify with caller)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:39 |

| S14<br>4 | 42 | S139 and ((identity or identification) with encod\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/15 12:55 |
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Did you mean: digital

## [PDF] Microsoft PowerPoint - StegoISDN030417.ppt

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... S. Möller, I. Stierand: DigiStilz: Ein Programm zum Verstecken. von Nachrichten in digitalisierter Sprache, Studienarheit

in digitalisierter Sprache. Studienarbeit, ...

www.inf.tu-dresden.de/~aw4/stego/ISDN-Beispiel.pdf - Similar pages

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... The authors describe a steganography program called **DigiStilz** which hides ciphertext or other material in the least significant bits of a digital (ISDN) ... www.jjtc.com/Security/sbib01.htm - 4k - <u>Cached</u> - <u>Similar pages</u>

## Sirene Online Abstracts 1994

... Ergebnisse wir mit einem hierfür geschriebenen Programm, nach einer Märchengestalt DigiStilz genannt, erzielt haben, wird ausführlich dargestellt. ... www.semper.org/sirene/lit/abstr94.html - 22k - Cached - Similar pages

#### [PPT] Análise Forense

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... Utilizando LSb de uma comunicação telefónica através de RDIS (DigiStilz).

Métodos semelhantes em VoIP. Análise Forense António José Marques/Luis Miguel ...

paginas.ispgaya.pt/~lms/documentacao/ seminario\_ubi\_anti-analise\_forense.ppt - Similar pages

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... The authors describe a steganography program called **DigiStilz** which hides ci-.

phertext or other material in the least significant bits of a digital ...

www.petitcolas.net/fabien/steganography/ bibliography/Annotated\_Bibliography.pdf - Similar pages

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... The authors describe a steganography program called DigiStilz which hides ciphertext

or other material in the least significant bits of a digital (ISDN ...

www.formation.jussieu.fr/ars/2000-2001/ UNIX/cours/5/COMPLEMENTS/DOC/why-cryptosystems-fail/stegbib.ps

- Supplemental Result - Similar pages

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| Set  | Items  | Description  |
|------|--------|--|
| S1   | 236    | AU=(RHOADS G? OR RHOADS, G?)                                 |
| S2   |        | S1 AND IC=(G06F OR H04L OR H04K)                             |
| S3   |        | WATERMARK? OR WATER() MARK? OR STEGANOGRAPH? OR DIGITAL?()(- |
|      |        | GN OR SIGNS OR SIGNATURE? OR SIGNING) OR (HIDDEN OR HIDE OR  |
|      | CO     | NCEAL? OR OBSCUR? OR HIDING OR MASKED? OR DISGUIS?)(2N)(INF- |
|      | OR     | MATION? OR DATA)   |
| S4   | 77     | S2 AND S3  |
| S5   | . 38   |  |
|      | OR     | PHONE? OR CELLPHON? OR RADIOTELEPHON?)                       |
| S6   | 13     | S5 NOT AD=19941116:19971116                                  |
| S7   | 5      | S6 NOT AD=19971116:20001116                                  |
| File |        | e Patents Abs Aug 1985-2004/May                              |
|      |        | 04 European Patent Office                                    |
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| File |        | AN PATENTS 1978-2005/Apr W02                                 |
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|      | (c) 20 | 05 Thomson Derwent   |

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S3
       607136
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S4
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S5
                S1 AND S2 AND S3
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S6
           62
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S7
          182
                S7 NOT AD=19941116:19971116
S8
          168
                S8 NOT AD=19971116:20001116
S9
          136
                S9 NOT AD=20001116:20031116
S10
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S11
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S12
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S13
           24
                S12 AND IC=H04K
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S14
           20
                S14 NOT AD=19971116:20001116
S15
           12
S16
           13
                S15 OR S11
S17
           13
                IDPAT (sorted in duplicate/non-duplicate order)
                IDPAT (primary/non-duplicate records only)
S18
           13
S19
         2181
                S1 AND (S2 OR S3 OR S4)
S20
                S19 NOT AD=19941116:19971116
         1942
                S20 NOT AD=19971116:20001116
S21
         1225
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S22
           51
           35
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S23
S24
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S25
           11
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|                  |                               |        | 2. Watermarking digital images for copyright protection<br>O'Ruanaidh, J.J.K.; Dowling, W.J.; Boland, F.M.;<br>Vision, Image and Signal Processing, IEE Proceedings-<br>Volume 143, Issue 4, Aug. 1996 Page(s):250 - 256  |
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|                  |                               |        | 3. Secure spread spectrum watermarking for multimedia Cox, I.J.; Kilian, J.; Leighton, F.T.; Shamoon, T.; Image Processing, IEEE Transactions on Volume 6, Issue 12, Dec. 1997 Page(s):1673 - 1687  |
|                  | •                             |        | AbstractPlus   References   Full Text: PDF(356 KB) IEEE JNL   |
|                  |                               |        | 4. An invisible watermarking technique for image verification Yeung, M.M.; Mintzer, F.; Image Processing, 1997. Proceedings., International Conference on Volume 2, 26-29 Oct. 1997 Page(s):680 - 683 vol.2   |
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|                  | •                             |        | 6. Image watermarking using digital communication techniques Silvestre, G.C.M.; Dowling, W.J.; Image Processing and Its Applications, 1997., Sixth International Conference on Volume 1, 14-17 July 1997 Page(s):443 - 447 vol.1                                |
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S1
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S2
               FI? OR RADIOTELEPHON? )
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S3
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S4
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S5
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S6
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S6
          452
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$7
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S8
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S10
          253
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S11
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S14
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S15
                 IDPAT (sorted in duplicate/non-duplicate order)
IDPAT (primary/non-duplicate records only)
S16
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S17
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S4
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S5
                S1 AND S2 AND S3
S6
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S7
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S9
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S10
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S11
         2591
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             ALK?)
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                S11 NOT PY>1994
S13
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S14
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                S15 OR S10
S16
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S17
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S1
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S3
      5782291
             OR WIRELESS? OR WAP? OR POTS OR PBX
S4
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S5
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